



## MATERIAL SAFETY DATA SHEET

### Section 1: Product and Company Information

**Product Name:** Extruded Polystyrene (Raft-R-Mate, Rafter Vent)

**Manufacturer:** Owens Corning, One Owens Corning Parkway, World Headquarters,  
Attn. Product Stewardship, Toledo, OH, 43659,  
Telephone: 1-419-248-8234 (8am-5pm ET weekdays).

**Emergency Contacts:**

Emergencies ONLY (after 5pm ET and weekends): 1-419-248-5330,  
CHEMTREC (24 hours everyday): 1-800-424-9300.  
CANUTEC (Canada 24 hours everyday): 1-613-996-6666.

**Health and Technical Contacts:**

Health Issues Information (8am-5pm ET): 1-419-248-8234,  
Technical Product Information (8am-5pm ET): 1-201-267-1605.

### Section 2: Composition and Ingredient Information

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Polystyrene	Ethenylbenzene homopolymer	9003-53-6	99-100
HCFC-22	Difluoromonochloro- methane	75-45-6	<1

**Note:** See Section 8 of MSDS for exposure limit data for these ingredients.

### Section 3: Hazards Identification

**Appearance and Odor:** Pink closed-cell foam board with no odor.



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### Emergency Overview

To prevent ignition, avoid smoking, keep from open flames and high temperatures. Grinding, sawing or fabrication activities can produce dust particles which may under certain conditions form explosive dust atmospheres that can be ignited .

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**Primary Route(s) of Exposure:** inhalation, skin, eye

### **Potential Health Effects:**

**ACUTE (short term):** Inhalation of dust may cause temporary irritation and coughing. Eye contact may cause mild irritation, redness, tearing and blurred vision. See Section 8 for exposure controls.

**CHRONIC (long term):** No long term health effects are expected from this product. See Section 11 of MSDS for additional toxicological data.

**Medical Conditions Aggravated by Exposure:** Chronic respiratory or eye conditions may worsen from exposure to these products.

## Section 4: First Aid Measures

**Inhalation:** Move person to fresh air. If breathing is difficult or irritation persists, administer oxygen. If not breathing, administer artificial respiration. Seek medical attention.

**Eye Contact:** Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Wash with mild soap and water.

**Ingestion:** Rinse mouth thoroughly with water. Seek medical attention.



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### Section 5: Fire Fighting Measures

**Flash Point and Method:** >615 °F (324 °C)  
Method - ASTM D1929

**Flammability Limits (%):** Not Applicable

**Auto Ignition Temperature:** Not Applicable

**Extinguishing Media:** Water, CO<sub>2</sub> or dry chemical.

**Unusual Fire and Explosion Hazards:** Produces dense black smoke while burning. Grinding, sawing or fabrication activities of the foamular board can produce dust particles which may under certain conditions form explosive dust atmospheres that can be ignited.

**Fire Fighting Instructions:** Use self contained breathing apparatus (SCBA) in a sustained fire. Full protective bunker turnout gear should be employed by fire fighting forces.

**Hazardous Combustion Products:** Primary combustion products are carbon monoxide, carbon dioxide, styrene, sulfur oxides, and hydrogen sulfide. Other undetermined hydrocarbon fractions could be released in small quantities.

### Section 6: Accidental Release Measures

**Land Spill:** Scoop up material and put into suitable container for disposal as a non-hazardous waste.

**Water Spill:** This material will float and disperse with wind and current. Contain the material with booms and pick up with absorbents or adsorbent materials, or remove with a vacuum truck.

**Air Release:** This material will settle out of the air. It can then be scooped up or vacuumed for disposal as a non-hazardous waste.



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### Section 7: Handling and Storage

**Storage Temperature:** Not applicable.

**Storage Pressure:** Not applicable.

**General:** None

### Section 8: Exposure Controls and Personal Protection

<u>Ingredient</u>	<u>OSHA PEL</u> (8-hr TWA)	<u>ACGIH TLV</u> (8-hr TWA)
Polystyrene	5 mg/m <sup>3</sup> (respirable dust) 15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup> (respirable)
HFC-22	None Established	None Established

**Ventilation:** Provide sufficient general and/or local exhaust ventilation to maintain exposures below the PELs or TLVs. Grinding sawing or fabrication can produce dust particles which may under certain conditions form explosive dust atmospheres that can be ignited.

#### **Personal Protection:**

**Respiratory Protection:** A properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8210 (or 8710) or model 9900 (in high humidity environments) or equivalent should be used when high dust levels are encountered. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.



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**Skin Protection:** None

**Eye Protection:** Safety glasses during fabrication.

**Work/Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practices.

### Section 9: Physical and Chemical Properties

**Vapor Pressure (mm Hg @ 20°C):** Not Applicable

**Vapor Density (Air=1):** Not Applicable

**Specific Gravity (Water=1):** 0.021-0.064

**Boiling Point:** decomposes over  
600 °F (316 °C)

**Solubility in Water:** Insoluble

**Viscosity:** Not Available

**pH:** Not Available

**Physical State:** Solid

**Appearance:** Pink, white or green foam

**Freezing Point:** Softens at  
220 °F (104

°C)

**Odor Type:** None

**Evaporation Rate (n-Butyl Acetate=1):** Not Available

### Section 10: Stability and Reactivity

**General:** Stable

**Incompatible Materials and Conditions to Avoid:** Hydrocarbons, esters and amines.

**Hazardous Decomposition Products:** None, except in fire. See Section 5 of MSDS for combustion products statement.

**Hazardous Polymerization:** Will not occur.



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### Section 11: Toxicological Information

**CARCINOGENICITY:** The following table indicates whether or not each agency has listed the ingredients as a carcinogen:

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Polystyrene	No	No		No No
HFC-22	No	No	No	No
	<u>LD<sub>50</sub> Oral</u> (g/kg)	<u>LD<sub>50</sub> Dermal</u> (g/kg)	<u>LC<sub>50</sub> Inhalation</u> (4 hrs.)	
Polystyrene	Not Available	Not Available	Not Available	
HFC-22	Not Available	Not Available	Not Available	

### Section 12: Ecological Information

This material is not expected to cause harm to animals, plants or fish.

### Section 13: Disposal Considerations

**RCRA Hazard Class:** Non-hazardous



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### Section 14: Transportation Information

**DOT Shipping Names:** Not regulated

**Hazard Class or Division:** None

**Secondary:** None

**Identification No.:** None

**Packing Group:** None

**Label(s) required (if not excepted):** None

**Special Provisions:** None

**Packaging Exceptions:** None

**Non-bulk Packaging:** None

**Bulk packaging:** None

**EPA Hazardous Substances:** None

**RQ:** None

**Quantity Limitations:**     **Passenger Aircraft:** None  
   **Cargo Aircraft:** None

**Marine Pollutants:** None

**Freight Description:** None

**Hazardous Material Shipping Description:** None



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### Transportation of Dangerous Goods - Canada

**Proper Shipping Name:** Not Regulated

**TDG Hazard Classification:** (Primary): None (Secondary): None

**IMO Classification:** None

**ICAO/IATA Classification:** None

**Product Identification Number:** None

**Packing Group:** None

**Control Temperature:** None

**Emergency Temperature:** None

**Schedule XII Quantity Restriction:** None

**Reportable Quantity for US Shipments:** None

**IATA Packing Instructions:**  
Passenger/Cargo: None  
Cargo Only: None  
Limited Quantity: None

**Maximum Net Quantity per Package:**  
Passenger/Cargo: None  
Cargo Only: None  
Limited Quantity: None

**Special Provisions:** None





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### Section 15: Regulatory Information

**TSCA Status:** Each ingredient is on the Inventory.

**SARA Title III:**

**Hazard Categories:**

Acute Health: No  
Chronic Health: No  
Fire Hazard: No  
Pressure Hazard: No  
Reactivity Hazard: No

**Reportable Ingredients:**

Sec. 302/304: None  
Sec. 313: HFC-22

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive effects.

**WHMIS (Canada):** Status: Not Controlled  
WHMIS Classification(s): None

### Section 16: Other Information

<b><u>HMIS and NFPA Hazard Rating:</u></b>	<b><u>Category</u></b>	<b><u>HMIS</u></b>	<b><u>NFPA</u></b>
	Acute Health	0	0
	Flammability	1	1
	Reactivity	0	0

**NFPA Unusual Hazards:** None.

**HMIS Personal Protection:** To be supplied by user depending upon use.

**Revision Summary:** This is a new MSDS.